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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/Z 37839-2019

**Information model covering the contents of GB/T 5094.1 and
GB/T 5094.2, GB/T 16679, GB/T 18656 and GB/T 16901.3**

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Foreword

This guidance technical document was drafted in accordance with the rules given in GB/T 1.1-2009.

This guidance document uses the translation method equivalent to IEC /T S62771.2012 "contains IEC 81346-1, IEC 81346-2,

Information model for the content of IEC 61175, IEC 61666 and IEC 81714-3.

The documents of our country that have a consistent correspondence with the international documents that are normatively cited in this guidance document are as follows.

---GB/T 5094.1-2018 Industrial systems, devices and equipment and industrial product structure principles and reference code Part 1

Points. Basic Rules (IEC 81346-1..2009, IDT)

---GB/T 5094.2-2018 Industrial systems, devices and equipment and industrial product structure principles and reference code Part 2

Points. Classification and classification of projects (IEC 81346-2.2009, IDT)

---GB/T 16679-2009 Industrial systems, devices and equipment and industrial product signal code (IEC 61175.2005,

IDT)

--- GB/T 16901.3-2009 Technical documents with graphical symbols to represent rules Part 3. Connection points, network classification and

Coding (IEC 81714-3.2004, IDT)

---GB/T 17564.1-2011 Standard data element types and related classification modes for electrical projects Part 1. Definition of original

And methods (IEC 61360-1.2009, IDT)

---GB/T 18656-2002 Industrial systems, devices and equipment, and identification of terminals in industrial product systems (IEC 61666. 1997, IDT)

The following editorial technical documents have been edited as follows.

--- In order to adapt to China's technical standards system, the standard name was changed to include "GB/T 5094.1, GB/T 5094.2, GB/T 16679, Information model of GB/T 18656 and GB/T 16901.3 content;

--- In order to facilitate the understanding of this guidance technical document, a footnote has been added to the scope chapter.

This guidance document is provided by the National Technical Committee for the Construction of Electrical Information, Documentation and Graphic Symbol Standardization (SAC/TC27).

Go out and return.

This guiding technical document drafting unit. China Machine Productivity Promotion Center, Wuhu Yongyu Automobile Industry Co., Ltd., Anhui Yousitian

Cheng Intelligent Technology Co., Ltd., Schneider Electric Information Technology (China) Co., Ltd., University of Science and Technology of China.

1 Scope

This guidance document contains IEC 81346-1, IEC 81346-2, IEC 61175, IEC 61666 and IEC 81714-31)

The formal reference information model of the concepts and methods established in the paper serves as the basis for its specification.

This guidance document applies to the exchange of data for information models.

2 Normative references

The following documents are indispensable for the application of this document. For dated

references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

IEC 61175.2005 industrial systems, devices and equipment and industrial product signal code (Industrialsystems,

instalationsandequipmentandindustrialproducts-Designationofsignals)

Standard data element types and associated classification patterns for electrical projects in IEC 61360-1 Part 1. Definition principles and methods

(Standarddataelementtypeswithassociatedclassificationschemeforeelectricitems-Part 1.Defini-

tions-Principlesandmethods)

IEC 61360-DB IEC Common Data Dictionary (IEC Common Data Dictionary)

IEC 61666 Industrial systems, devices and equipment, and identification of terminals in industrial product systems (Industrialsystems, in-

stalationsandequipmentandindustrialproducts-Identificationofterminalswithinasystem)

IEC 81346-1 Industrial Systems, Devices and Equipment, and Industrial Product Structure Principles and Reference Codes Part 1. Basic Rules

(Industrialsystems,instalationsandequipmentandindustrialproducts-Structuringprinciplesand referencedesignations-Part 1. Basicrules)

IEC 81346-2 Industrial Systems, Devices and Equipment, and Industrial Product Structure Principles and Reference Codes Part 2. Division of Projects

Class and classification code (Industrialsystems, instalationsandequipmentandindustrialproducts-Structuring

Principlesandreferencedesignations-Part 2.Classificationofobjectsandcodesforclasses)

IEC 81714-3 Technical documents with graphical notation - Part 3. Connection points, classification of networks and their coding (Designof

Graphicalsymbolsforuseinthetechnicaldocumentationofproducts-Part 3.Classificationofconnect

Nodes, networksandtheirencoding)

3 Terms and definitions

Terms and definitions defined by IEC 81346-1, IEC 81346-2, IEC 61175, IEC 61666, and

IEC 81714-3 apply to this

file.

1) IEC 81346-1, IEC 81346-2, IEC 61175, IEC 61666 and IEC 81714-3 have been equivalently converted to GB/T 5094.1, GB/T 5094.2,

GB/T 16679, GB/T 18656 and GB/T 16901.3, the corresponding relationship is in the foreword.

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National Standardization Technical Document of the People's Republic of China

Including GB/T 5094.1, GB/T 5094.2, GB/T 16679,

GB/T 18656 and GB/T 16901.3

Information model

Information model covering the contents of GB/T 5094.1 and GB/T 5094.2,

GB/T 16679, GB/T 18656 and GB/T 16901.3

(IEC /T S62771.2012, Information model covering the contents of IEC 81346-1

and IEC 81346-2, IEC 61175, IEC 61666 and IEC 81714-3, IDT)

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